

Fuel Flow Meter AIC 300

- Accuracy better than 1 % (For accuracy better than 0.5% see AIC NEMO family)
- Volumetric proven fuel flow meter for demanding fuel applications
- Diesel consumption meter for engines up to 3000 l/h (793 gph) or engines with up to 4000 KW (11000 HP)
- Simple and easy to install and to integrate with your control system
- Minimal total cost of ownership and ultra-compact footprint for standard applications



Compact volume flow meter with efficient cost of ownership for basic applications. Carbon Steel housing with threaded ends ISO 228-1 for up to 16 bar _ 232 psi and 100°C_ 212°F. These flowmeters are specially designed for large engines. Suitable for diesel, biodiesel, fuel light, medium, heavy, fuel blends, Naphtha, AdBlue, hydraulic oils, Lubricating oils.

Applications:

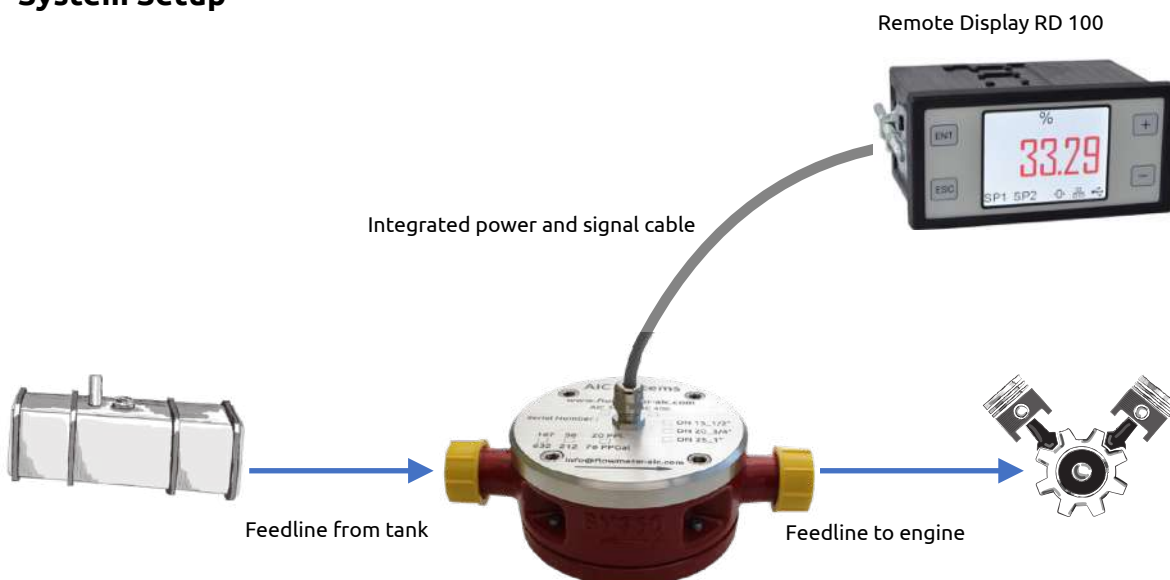
- Oil industry
- Railway
- Generators
- Large construction and demolition machines
- Boats
- Skids builder



Features and benefits:

- High precision and quality with a competitive price
- Mechanical meter of proven technology since more than 40 years
- AIC flow meters work on all fuel injection types including engines with fuel injection of latest generations

System Setup



Remote Display RD 100

The Remote Display RD 100 with the flow sensor input will measure values which can be easily seen and written off the large display.

Flush control cabinet installation and all measured values are logged in CSV format via the USB port on the back side for a better evaluation and further processing.

Please choose the M12 option you need a defined coupling



Time	Flow	Temp	Consumption	Temp	Initial Consumption	Ø Consumption	Speed	Ø Speed	Q100
07:07:00	148.0 l/h	45.9 °C	0000.7 l	148.0 l/h	0 l/h	0 l/h	0 l/h	0 l/h	11024 km
07:07:11	148.0 l/h	45.9 °C	0000.7 l	148.0 l/h	0 l/h	0 l/h	0 l/h	0 l/h	11024 km
07:07:12	148.0 l/h	45.9 °C	0000.8 l	148.0 l/h	0 l/h	0 l/h	0 l/h	0 l/h	11024 km
07:07:13	148.0 l/h	45.9 °C	0000.9 l	148.0 l/h	0 l/h	0 l/h	0 l/h	0 l/h	11024 km
07:07:14	148.0 l/h	45.9 °C	0001.0 l	148.0 l/h	0 l/h	0 l/h	0 l/h	0 l/h	11024 km
07:07:15	148.0 l/h	45.9 °C	0001.1 l	148.0 l/h	0 l/h	0 l/h	0 l/h	0 l/h	11024 km
07:07:16	148.0 l/h	45.9 °C	0001.2 l	148.0 l/h	0 l/h	0 l/h	0 l/h	0 l/h	11024 km
07:07:17	147.0 l/h	45.9 °C	0001.3 l	148.0 l/h	0 l/h	0 l/h	0 l/h	0 l/h	11024 km
07:07:18	148.0 l/h	45.9 °C	0001.4 l	148.0 l/h	0 l/h	0 l/h	0 l/h	0 l/h	11024 km
07:07:19	148.0 l/h	45.9 °C	0001.5 l	148.0 l/h	0 l/h	0 l/h	0 l/h	0 l/h	11024 km
07:07:20	148.0 l/h	45.9 °C	0001.6 l	148.0 l/h	0 l/h	0 l/h	0 l/h	0 l/h	11024 km
07:07:21	148.0 l/h	45.9 °C	0001.7 l	148.0 l/h	0 l/h	0 l/h	0 l/h	0 l/h	11024 km
07:07:22	148.0 l/h	45.9 °C	0001.8 l	148.0 l/h	0 l/h	0 l/h	0 l/h	0 l/h	11024 km
07:07:23	148.0 l/h	45.9 °C	0001.9 l	148.0 l/h	0 l/h	0 l/h	0 l/h	0 l/h	11024 km
07:07:24	148.0 l/h	45.9 °C	0002.0 l	148.0 l/h	0 l/h	0 l/h	0 l/h	0 l/h	11024 km
07:07:25	148.0 l/h	45.9 °C	0002.1 l	148.0 l/h	0 l/h	0 l/h	0 l/h	0 l/h	11024 km
07:07:26	148.0 l/h	45.9 °C	0002.2 l	148.0 l/h	0 l/h	0 l/h	0 l/h	0 l/h	11024 km
07:07:27	148.0 l/h	45.9 °C	0002.3 l	148.0 l/h	0 l/h	0 l/h	0 l/h	0 l/h	11024 km
07:07:28	148.0 l/h	45.9 °C	0002.4 l	148.0 l/h	0 l/h	0 l/h	0 l/h	0 l/h	11024 km
07:07:29	148.0 l/h	45.9 °C	0002.5 l	148.0 l/h	0 l/h	0 l/h	0 l/h	0 l/h	11024 km
07:07:30	148.0 l/h	45.9 °C	0002.6 l	148.0 l/h	0 l/h	0 l/h	0 l/h	0 l/h	11024 km
07:07:31	148.0 l/h	45.9 °C	0002.7 l	148.0 l/h	0 l/h	0 l/h	0 l/h	0 l/h	11024 km
07:07:32	148.0 l/h	45.9 °C	0002.8 l	148.0 l/h	0 l/h	0 l/h	0 l/h	0 l/h	11024 km
07:07:33	148.0 l/h	45.9 °C	0002.9 l	148.0 l/h	0 l/h	0 l/h	0 l/h	0 l/h	11024 km
07:07:34	148.0 l/h	45.9 °C	0003.0 l	148.0 l/h	0 l/h	0 l/h	0 l/h	0 l/h	11024 km
07:07:35	148.0 l/h	45.9 °C	0003.1 l	148.0 l/h	0 l/h	0 l/h	0 l/h	0 l/h	11024 km

- View instantaneous fuel consumption
- Average fuel consumption (3 decimals)
- Fuel consumption accumulation
- Reading in Metric or US unit

Technical data

Model		315	320	325
DN (Inside diameter)	mm (in)	15 (1/2)	20 (3/4)	25 (1)
Measuring range	l/h (gph)	10 ... 600 (2.6 ... 159)	30 ... 1500 (7.9 ... 396)	75 ... 3000 (20 ... 793)
App.starting flow rate	l/h (gph)	4 (1.05)	12 (3.2)	30 (7.9)
Accuracy		Better 1%		
Repeatability		Better 0.2 %		
Admissible pressure	bar/psi	-1 to 16 / -14 to 232		
Operating temperature	C°/F°	-30 ... 100 / -22 ... 212		
Power supply		8 - 28 VDC		
Pulse signal		Square pulse, open collector, pulse width 0,7 ms		

Process connections

Threaded ends are according to ISO 228-1;
Optional: NPT or hose nipples

All informations are subject to change.



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